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NRO REVIEW COMPLETED

COR 1106
 Copy 1 of 4 copies
 7 April 1961

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MEMORANDUM FOR: Chief, TISD

THROUGH: Executive Director
 SUBJECT: Trip Report -
 24 March 1961

1. PURPOSE: To visit Itek to ensure that [] had all the camera design parameters of the C''' and E-5 camera systems necessary for computer programming and exploitation.

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2. GENERAL:

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a. C''' Camera System - Discussion with []

- (1) The basic changes affecting computer programming and exploitation are the changes in the V/H programmer and format.
- (2) DMC is similar to that provided on the C and C' systems, except the sweep is in the opposite direction and the appropriate constants are different. Actual constants are available in TIB.
- (3) Timing pips will remain at 160 CPS, but will be clearer and a pulse extinction system will be used.
- (4) The same digitote used on C and C' systems will be utilized on the C''' system.

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b. E-5 Camera System - Discussion with []

A few specifications:

Camera type	Panoramic
Lens	66" f 5.0
Format size	4.5" x 25" + data block (machine readable)

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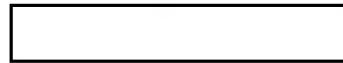
Stereo overlap	10% in vertical - continuous mode
Design altitude	155 MM
Film load	26,000' to 52,000' on thin base film
Orientation data	Provided to $\pm .1^\circ$
Useful life	Up to 30 days
Timing pipes	128 cps
Modes	$0^\circ - 15^\circ - 30^\circ$ roll, with continuous or burst operation
Time	To 1/10 second

3. RECOMMENDATION: It is recommended that NPIC secure several copies of the booklet described below and the classified supplements in order to better prepare for E-5.

"Itak Achievements in Aerial Panoramic Photography", dated
10 June 1960. ISBN 60 (s) 1260
P - 167

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Distribution:

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